

DERWENT-ACC-NO: 1987-328014
DERWENT-WEEK: 198747
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TITLE: Solvent extn. of mineral oils, e.g. for lubricating oil prodn. - with solvent recovery from raffinate phase by anti-solvent addn. and steam stripping, so avoiding capital and energy cost of solvent distn.

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
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APPLICATION-DATA:

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INT-CL (IPC): C10G021/28

ABSTRACTED-PUB-NO: DD 247464A

BASIC-ABSTRACT: Mineral oil refining process, comprising extn. with a solvent, removal of solns. of raffinate and extract from the extn. stage and removal of solvent from these solns., is characterised in that the solvent is removed from the raffinate soln. by: (i) thoroughly mixing the soln. with the antisolvent or antisolvent mixt. which had been used in the extn. stage; (ii) allowing to separate by settling into a raffinate phase and an antisolvent phase; (iii) sending the antisolvent phase to the extn. stage or adding

ir to the extract
soln.; and (iv) conventionally heating the raffinate phase
and removing
residual solvent from it with stripping steam.

USE/ADVANTAGE - The process is useful for aromatics
removal, by extn. with
phenol, furfural, N-methyl formamide etc., during
lubrication oil prodn..
Solvent is removed from the raffinate phase without the
usual solvent
vaporisation, with its associated investment costs (for a
tubular heater, flash
column etc.) and energy costs.

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS:

SOLVENT EXTRACT MINERAL OIL LUBRICATE OIL PRODUCE SOLVENT
RECOVER RAFFINATE
PHASE ANTI SOLVENT ADD STEAM STRIP SO AVOID CAPITAL ENERGY
COST SOLVENT DISTIL

DERWENT-CLASS: H02 H07

CPI-CODES: H02-C01;

SECONDARY-ACC-NO:

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